

CLAIMS

- 1. A chromium alloy comprising, as a chemical composition thereof, 0.002 to 5 atomic % of silver and the balance of chromium and inevitable impurities.**
- 2. The chromium alloy according to Claim 1 comprising 0.1 to 5 atomic % of silver.**
- 3. The chromium alloy according to Claim 1 comprising 0.5 to 3.5 atomic % of silver.**
- 4. The chromium alloy according to any one of Claims 1 to 3 further comprising 0.05 to 6.0 atomic % of silicon, 0.05 to 10 atomic % of aluminum, or 0.05 to 10 atomic % of a combined amount of silicon and aluminum.**
- 5. The chromium alloy according to any one of Claims 1 to 4 further comprising 10 atomic % or less of at least one of Mo, W, Re, Fe, Ru, Co, Rh, Ni, Pt and Ir as a combined amount thereof.**
- 6. The chromium alloy according to any one of Claims 1 to 5 produced by at least one of the methods of a single crystal solidification method, unidirectional solidification method, powder metallurgy method, casting and forging.**
- 7. A product for use at high temperatures composed mainly of the chromium alloys according to any one of Claims 1 to 6.**